

Converting Colors

$Y_{xy}(41.7300, 0.3320, 0.2163)$

Have a look what the booklet for
Yxy(41.7300, 0.3320, 0.2163)
contains.

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Color

Yxy(41.7172, 0.3321, 0.2163)

Conversions

Conversions Part 1

Format	Color
Hex	FF7BF0
RGB	255, 123, 240
RGB Percent	100%, 48%, 94%
CMY	0.0000, 0.5176, 0.0589
CMYK	0.00, 0.52, 0.06, 0.00
HSL	307°, 100%, 74%
HSV	307°, 52%, 100%
XYZ	64.0512, 41.7172, 87.0989
YIQ	175.8060, 41.1150, 64.3710

Conversions

Conversions Part 2

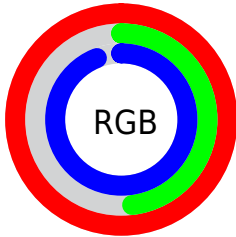
Format	Color
R_{YB}	255, 123, 240
Decimal	16743408
CIE _{Lab}	70.68, 64.76, -36.22
CIE _{LCh}	71, 74.200, 330.784
Yxy	41.7172, 0.3321, 0.2163
Android (android.graphics.Color)	4294933488 (0xFFFF7BF0)
YUV	175.8060, 31.6476, 69.4531
Hunter-Lab	64.5889, 63.9837, -34.7411

Details

The Yxy color **41.7172, 0.3321, 0.2163** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **77.5669, 0.2985, 0.4772**, and the grayscale version is **43.1256, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.1225, 0.3162, 0.2556**, and **19.0929, 0.3345, 0.1914** is the 20% darker color. If you saturate the color by 10%, you get **36.0220, 0.3366, 0.1992**, and if you desaturate by 10%, it is **49.0624, 0.3277, 0.2362**.

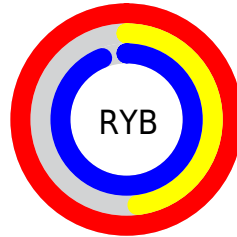
Distribution



Red (100%)

Green (48%)

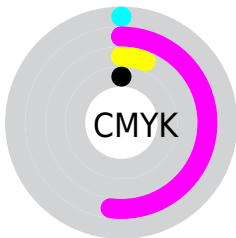
Blue (94%)



Red (100%)

Yellow (48%)

Blue (94%)

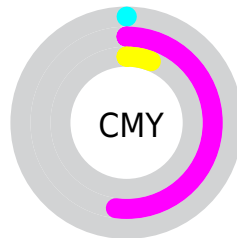


Cyan (0%)

Magenta (52%)

Yellow (6%)

Black (0%)



Cyan (0%)


Magenta (52%)


Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.7172, 0.3321, 0.2163 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 41.7172, 0.3321, 0.2163 by changing the saturation by 10% instead.

 41.7172, 0.3321,
0.2163

 41.7172, 0.3321,
0.2163


353.3093, 0.3247,
0.2674

 28.8799, 0.3334,
0.2050

 77.7714, 0.3299,
0.2337

 18.9900, 0.3347,
0.1914


 101.7572, 0.3289,
0.2406

 11.6631, 0.3360,
0.1746


 130.2279, 0.3280,
0.2466

 6.5147, 0.3370,
0.1535

163.5679, 0.3272,
0.2518

 3.1605, 0.3371,
0.1266

202.1617, 0.3265,
0.2564

 1.2161, 0.3347,
0.0922

246.3935, 0.3258,

 0.0748, 0.3375,

0.2605

0.0130

296.6480, 0.3252,
0.2641

■ 0.0000, 0.2884,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 41.7172, 0.3321,
0.2163

■ 41.7172, 0.3321,
0.2163

■ 36.0220, 0.3366,
0.1992

■ 49.0624, 0.3277,
0.2362

■ 31.8460, 0.3411,
0.1859


■ 58.1744, 0.3236,
0.2579


■ 29.0388, 0.3454,
0.1769

■ 69.1593, 0.3197,
0.2805

■ 27.4188, 0.3494,
0.1724

■ 82.1150, 0.3163,
0.3031

 26.7501, 0.3525,
0.1716

 97.1323, 0.3132,
0.3252

100.0000, 0.3127,
0.3290

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



41.7172, 0.2339, 0.1841



41.7172, 0.3321, 0.2163



41.7172, 0.4419, 0.2700

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



41.7172, 0.3321, 0.2163



41.7172, 0.4529, 0.4804



41.7172, 0.1470, 0.2710

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



41.7172, 0.3321, 0.2163



77.5669, 0.2985, 0.4772

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



41.7172, 0.1881, 0.3846



41.7172, 0.3321, 0.2163



41.7172, 0.3638, 0.5279

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



41.7172, 0.3321, 0.2163



41.7172, 0.5115, 0.4077



41.7172, 0.2671, 0.4974



41.7172, 0.1427, 0.2038

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



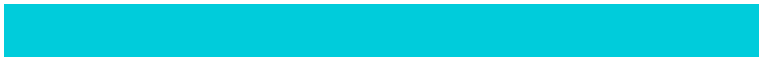
41.7172, 0.3321, 0.2163



41.7172, 0.4962, 0.3132



41.7172, 0.2671, 0.4974



41.7172, 0.1562, 0.3044

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



41.7172, 0.3321, 0.2163



76.3790, 0.3177, 0.2936



26.6384, 0.2210, 0.1666



15.7799, 0.3184, 0.2889



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



41.7172, 0.3321, 0.2163



35.9060, 0.3367, 0.1989



38.5538, 0.4006, 0.2751



18.2627, 0.3156, 0.3082



13.9918, 0.3519, 0.1712



1.3720, 0.3479, 0.1690

Inverse Universe

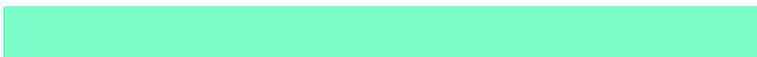
The Inverse Universe completely reimagines the original color for something new.



41.7172, 0.3321, 0.2163



35.9060, 0.3367, 0.1989



80.0051, 0.2688, 0.3938



18.2627, 0.3156, 0.3082



13.9918, 0.3519, 0.1712



1.3720, 0.3479, 0.1690

Previews

White Background



This preview shows how the Yxy color 41.7172, 0.3321, 0.2163 looks on a white background.

Color Contrast Check

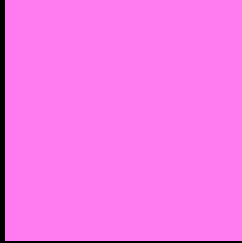
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 41.7172, 0.3321, 0.2163 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

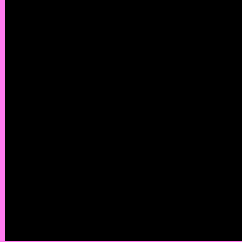
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.7172, 0.3321, 0.2163

Background



This preview shows how black text looks on a background with the Yxy color 41.7172, 0.3321, 0.2163.

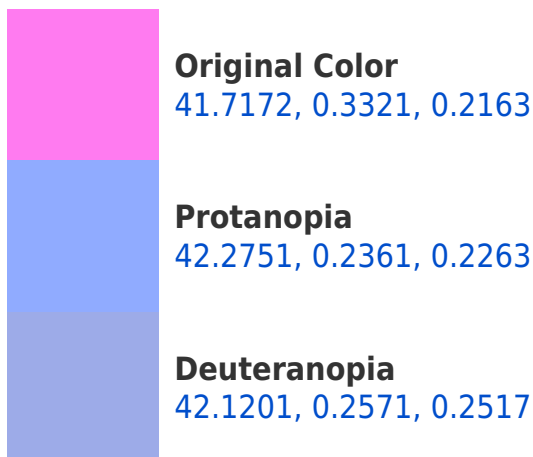


This preview shows how white text looks on a background with the Yxy color 41.7172, 0.3321, 0.2163.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy





Tritanopia

41.6921, 0.4082, 0.3184

Trichromacy



Original Color

41.7172, 0.3321, 0.2163



Protanomaly

40.2037, 0.2634, 0.2180



Deuteranomaly

40.4468, 0.2809, 0.2340



Tritanomaly

41.2508, 0.3807, 0.2773

Monochromacy



Original Color

41.7172, 0.3321, 0.2163



Achromatopsia

43.4154, 0.3127, 0.3290



Achromatomaly

41.2166, 0.3207, 0.2780

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.7172, 0.3321, 0.2163 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(255, 123, 240)` looks like.

```
.text, #text, p{  
    color:rgb(255, 123, 240)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(255, 123, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 123, 240) }
```

Border

The CSS property to change the border of an element to Yxy 41.7172, 0.3321, 0.2163 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 123, 240) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(255, 123, 240) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(255, 123, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 123, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 123, 240);  
box-shadow:4px 4px 4px 4px rgb(255, 123,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 41.7172, 0.3321, 0.2163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 123, 240) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(255,  
123, 240) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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